

Title (en)
DISCOVERY OF MIDDLEBOXES USING TRAFFIC FLOW STITCHING

Title (de)
ENTDECKUNG VON MIDDLEBOXES UNTER VERWENDUNG VON VERKEHRSSTROM-STITCHING

Title (fr)
DÉCOUVERTE DE BOÎTIERS INTERMÉDIAIRES À L'AIDE D'UN MAILLAGE DE FLUX DE TRAFIC

Publication
EP 3744073 B1 20221109 (EN)

Application
EP 19704698 A 20190123

Priority

- US 201862622008 P 20180125
- US 201816011427 A 20180618
- US 2019014758 W 20190123

Abstract (en)
[origin: US2019230041A1] Systems, methods, and computer-readable media for flow stitching network traffic flow segments across middleboxes. A method can include collecting flow records of traffic flow segments at a first middlebox and a second middlebox in a network environment including one or more transaction identifiers assigned to the traffic flow segments. Sources and destinations of the traffic flow segments can be identified with respect to the first middlebox and the second middlebox. Corresponding subsets of the traffic flow segments can be stitched together to form a first stitched traffic flow at the first middlebox and a second stitched traffic flow at the second middlebox. The first and second stitched traffic flows can be stitched together to form a cross-middlebox stitched traffic flow across the first middlebox and the second middlebox. The cross-middlebox stitched traffic flow can be incorporated as part of network traffic data for the network environment.

IPC 8 full level
H04L 43/026 (2022.01); **H04L 45/00** (2022.01); **H04L 67/10** (2022.01); **H04L 67/12** (2022.01); **H04L 67/14** (2022.01); **G06F 9/455** (2018.01); **H04L 43/08** (2022.01)

CPC (source: EP US)
G06F 9/45558 (2013.01 - EP US); **H04L 43/026** (2013.01 - EP US); **H04L 45/38** (2013.01 - EP US); **H04L 47/41** (2013.01 - US); **H04L 67/10** (2013.01 - EP US); **H04L 67/12** (2013.01 - EP US); **H04L 67/14** (2013.01 - EP US); **H04L 67/56** (2022.05 - US); **G06F 2009/45591** (2013.01 - EP US); **G06F 2009/45595** (2013.01 - EP US); **H04L 43/08** (2013.01 - US); **H04L 67/01** (2022.05 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 10798015 B2 20201006; **US 2019230041 A1 20190725**; CN 111557087 A 20200818; CN 111557087 B 20230523; EP 3744073 A1 20201202; EP 3744073 B1 20221109; WO 2019147680 A1 20190801

DOCDB simple family (application)
US 201816011427 A 20180618; CN 201980007321 A 20190123; EP 19704698 A 20190123; US 2019014758 W 20190123